



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY
A Nationally Accredited Laboratory

737 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010516
DATE CERTIFICATION METHOD PERFORMED: February 6, 2015
DATE RECERTIFICATION DUE: August 5, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L 0.150 ± 0.008 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.008 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

Timmy L. Neece, Jr.
Forensic Scientist

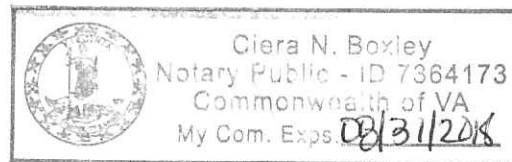
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 6th day of February, 2015 by Timmy L. Neece, Jr.

Ciera N. Boxley
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018

msk



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
2/6/2014 To 2/6/2015

Handwritten initials: JMO and T.W.

Instrument Serial Number: 010516 As of 06-Feb-15

Maintenance Date	Certification Date	Technician Initials	Remarks
06-Feb-15	06-Feb-15	HMS (18910)	CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
18-Dec-14	18-Sep-14	HMS (18910)	REPLACED UPS BACK-UP BATTERY.
18-Sep-14	18-Sep-14	SED (24178)	CERTIFIED.
07-Apr-14	07-Apr-14	HMS (18910)	CERTIFIED
11-Feb-14	16-Oct-13	DBH (21250)	REPLACED DRY GAS STANDARD.

INTOX EC/IR II
Quality Assurance Worksheet

Handwritten initials/signature

Instrument Serial Number **010516** Worksheet Start Date **2/6/2015**
Location **Prince William County Garfield**
Address **15948 Donald Curtis Dr., Woodbridge, VA 22191**
DFS Technician **Heather Stanton** License No. **18910**
☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) **768** Reference Barometer (mm HG) **769**
Reference Barometer(RB)Serial # **009113** RB Calibration Due **4/28/2015**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.310
0.300	0.303	0.293	0.312	Sample 2	0.310
Precision		sample min	sample max	Sample 3	0.310
0		0.310	0.310		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.101
0.100	0.101	0.097	0.104	Sample 2	0.101
Precision		sample min	sample max	Sample 3	0.101
0		0.101	0.101		

Dry gas standard Lot No. (with tank no.) **AG407801-14**

- ☒ Replaced dry gas standard (+O-ring)
☐ Installed at Location
☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

Large blank area for handwritten notes.

Instrument Serial Number

010516

Certification Date

2/6/2015

☒ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.256
0.250	0.253	0.245	0.260	Sample 2	0.256
Precision		sample min	sample max	Sample 3	0.255
0.001		0.255	0.256		
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.154
0.150	0.152	0.147	0.156	Sample 2	0.154
Precision		sample min	sample max	Sample 3	0.154
0		0.154	0.154		
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.081
0.080	0.081	0.078	0.084	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Heath W. Starn

Date

2/6/15

Issuing Analyst

T. W. Starn
NSK

Date

2/6/15

Intox EC/IR-II: Accuracy Check

HMS
TLW

Department of Forensic Science

Serial Number: 010516 Test Number: 3635
Test Date: 02/06/2015 Test Time: 10:14 EST
Dry Gas Target: 0.303
Lot Number: AG428003-07 Exp Date: 10/07/2016
Tank Pressure: 507 psi Barometric Pressure: 768 mmHg
System Check: Passed

Test	g/210L	Time
BLK	0.000	10:15
CHK	0.314	10:16
BLK	0.000	10:18
CHK	0.314	10:19
BLK	0.000	10:20
CHK	0.313	10:21

Test Status: Success

Calibration CRC: C7CC4C66

Out of tolerance for accuracy per QA sheet.

HMS
2/6/15

Intox EC/IR-II: Accuracy Check

HMS
TL✓

Department of Forensic Science

Serial Number: 010516 Test Number: 3636
Test Date: 02/06/2015 Test Time: 10:23 EST
Dry Gas Target: 0.303
Lot Number: AG428003-07 Exp Date: 10/07/2016
Tank Pressure: 502 psi Barometric Pressure: 768 mmHg
System Check: Passed

Test	g/210L	Time
BLK	0.000	10:24
CHK	0.313	10:25
BLK	0.000	10:26
CHK	0.312	10:27
BLK	0.000	10:29
CHK	0.312	10:31

Test Status: Success

Calibration CRC: C7CC4C66

Out of tolerance for accuracy per QA sheet.

HMS
2/6/15

HM
TW

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010516 Test Number: 3637

Test Date: 02/06/2015 Test Time: 10:37 EST

Dry Gas Target: 0.101

Lot Number: 3441310013-03 Exp Date: 01/01/2016

Tank Pressure: 811 psi Barometric Pressure: 768 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	10:38
CAL	0.101	10:39

Test Status: *Success*

Calibration CRC: B5C3C23F

lms
TL/

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010516 Test Number: 3638
Test Date: 02/06/2015 Test Time: 10:42 EST

Technician Initials: HMS

Dry Gas Target: 0.253

Lot Number: 1611425014-03 Exp Date: 07/05/2016

Tank Pressure: 223 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:42
BLK	0.000	10:43
CHK	0.256	10:44
BLK	0.000	10:46
CHK	0.256	10:47
BLK	0.000	10:49
CHK	0.255	10:50
BLK	0.000	10:52

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

lms
TLV

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010516 Test Number: 3639
Test Date: 02/06/2015 Test Time: 10:54 EST

Technician Initials: HMS

Dry Gas Target: 0.152

Lot Number: 16114150I3-01 Exp Date: 07/05/2016

Tank Pressure: 394 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	10:55
BLK	0.000	10:55
CHK	0.154	10:56
BLK	0.000	10:58
CHK	0.154	10:59
BLK	0.000	11:01
CHK	0.154	11:02
BLK	0.000	11:03

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
TLW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010516 Test Number: 3640
Test Date: 02/06/2015 Test Time: 11:05 EST

Technician Initials: HMS

Dry Gas Target: 0.081

Lot Number: 3441308012-01 Exp Date: 01/01/2016

Tank Pressure: 325 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:05
BLK	0.000	11:06
CHK	0.081	11:07
BLK	0.000	11:08
CHK	0.081	11:09
BLK	0.000	11:11
CHK	0.081	11:12
BLK	0.000	11:13

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
TW

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010516 Test Number: 3641
Test Date: 02/06/2015 Test Time: 11:14 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 3441302011-02 Exp Date: 01/01/2016

Tank Pressure: 85 psi Barometric Pressure: 768 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:15
BLK	0.000	11:16
CHK	0.019	11:16
BLK	0.000	11:18
CHK	0.019	11:18
BLK	0.000	11:20
CHK	0.019	11:20
BLK	0.000	11:22

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMB
TLN

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010516 Test Number: 3642

Test Date: 02/06/2015 Test Time: 11:24 EST

Dry Gas Target: 0.303

Lot Number: AG428003-07 Exp Date: 10/07/2016

Tank Pressure: 487 psi Barometric Pressure: 768 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:25
CHK	0.310	11:26
BLK	0.000	11:28
CHK	0.310	11:29
BLK	0.000	11:31
CHK	0.310	11:33

Test Status: *Success*

Calibration CRC: B5C3C23F

AMS
TW

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010516 Test Number: 3643

Test Date: 02/06/2015 Test Time: 11:35 EST

Dry Gas Target: 0.101

Lot Number: AG407801-14 Exp Date: 03/19/2016

Tank Pressure: 1066 psi Barometric Pressure: 767 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:36
CHK	0.101	11:37
BLK	0.000	11:38
CHK	0.101	11:39
BLK	0.000	11:41
CHK	0.101	11:42

Test Status: *Success*

Calibration CRC: B5C3C23F

hms
Tlw




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 02/06/2015
TEST EQUIPMENT NUMBER 010516		

RESULTS: TIME SAMPLE TAKEN 11:50 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 06 Feb 2015 at 11:56

THS
TLW

Test Results

Instrument Serial Number 010516

Test # 003644 Subject Test

Test Location 1 Department of
Test Date 06 Feb 2015

Test Location 2 Forensic Science

Test Time 11:43

Test Location 3

System Check Passed

Remote/Local Local

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial N

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 06 Feb 2015 End Time 11:51

Result Time 11:50

Result Date 06 Feb 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:44

Data Type BLK

Sample Value 0.000

Sample Time 11:44

Data Type CHK

Sample Value 0.101

Sample Time 11:45

Data Type BLK

Sample Value 0.000

Sample Time 11:47

Data Type SUBJ

Sample Value 0.000

Sample Time 11:48

Data Type BLK

Sample Value 0.000

Sample Time 11:49

Data Type SUBJ

Sample Value 0.000

Sample Time 11:50

Data Type BLK

Sample Value 0.000

Sample Time 11:51

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG407801-14

Standard Expiration Date 03/19/2016

Tank Pressure 1056

Barometric Pressure 767 mmHg

Blow Sample Number 1 Blow Duration 3.55 sec

Blow Volume 1759 cc End-of-Blow Time 11:48

Blow Sample Number 2 Blow Duration 3.43 sec

Blow Volume 1728 cc End-of-Blow Time 11:50

Tamper Evident Stamp 898cb949

Test Status Code 0

Test Status Success